



SEQUENCE LISTING

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44

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<120> HUMAN KINESINS AND METHODS OF PRODUCING AND PURIFYING
HUMAN KINESINS

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<160> 87

<170> PatentIn Ver. 2.1

<210> 1

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<223> Description of Artificial Sequence: 3' Primer for
amplification of Chromokinesin (residues 1-193)

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5' Primer(spanning nucleotides 76-1178)

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20

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3' Primer (spanning 76-1178)

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gcttgacgga gagcatgctg 20

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5' Primer (spanning 1032-3326)

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attgattacc cagttatcgg 20

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3' Primer (spanning 1032-3326)

<400> 5
tgatgactcc aacttcagtg 20

<210> 6
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Primer (spanning 2-2088)

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gccgaataca tcaagcaatg gtaac 25

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<400> 7
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<400> 8

agccatgttg tcagcgagag ctaag

25

<210> 9

<211> 28

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: MKLP1 3' Primer (spanning 73-2078)

<400> 9

agggtctctc tggcttctca gttttagg

28

<210> 10

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: KSP 5' Primer (spanning 66-3259)

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ccttgatttt ttggcgggga ccgtc

25

<210> 11

<211> 25

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: KSP 3' Primer (spanning 66-3259)

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25

<210> 12

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 (spanning 22-2274)

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 <210> 14
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 (spanning 101-1596)

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 <210> 15
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 (spanning 28-248)

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 (spanning 213-1624)

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<210> 19
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 (spanning 213-1624)

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<220>
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 (spanning 21-2311)

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 gggctccac tactgcgagg 20

<210> 21
 <211> 20
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<220>
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<400> 21
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<210> 22
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 for pET23dmyc

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<210> 23
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<400> 23
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<210> 24
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 tagccatgga agaggtgaag ggaattc 27

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 ccgctcgagt tttcttgctc tgtc 24

<210> 26
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 tagaagcttg gaagaggtga aggg 24

<210> 27
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tagaagcttc tgggtaatca attg

24

<210> 28

<211> 24

<212> DNA

<213> Artificial Sequence

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tagaagcttg gaagaggtga aggg

24

<210> 29

<211> 25

<212> DNA

<213> Artificial Sequence

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tagaagcttg tctcgttctt ttaac

25

<210> 30

<211> 24

<212> DNA

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tagaagcttg gaagaggtga aggg

24

<210> 31

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<223> Description of Artificial Sequence: FL1 3' Primer

<400> 31

tagaagcttg tgggcctctt cttcg

25

<210> 32

<211> 26

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 <210> 33
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 <400> 33
 tacaagctta gcagttggat ctacagtc 28

 <210> 34
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 <400> 34
 tacggatcca taggatatgt gtgtgtg 27

 <210> 35
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 <210> 36
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 <210> 37
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ctaagcttaa gggcacgggg tctcttcggg ttg

33

<210> 38

<211> 33

<212> DNA

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<400> 38

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33

<210> 39

<211> 35

<212> DNA

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atgcggccgc ttcttgagtc acttccgcaa atctc

35

<210> 40

<211> 33

<212> DNA

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33

<210> 41

<211> 35

<212> DNA

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<400> 41

atgcggccgc ccttggaagt gtctgctcat cgttg

35

<210> 42

<211> 33

<212> DNA

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<210> 43
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<400> 43
atgcggccgc ttcagtaaca atagccttca gttg 34

<210> 44
<211> 31
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atccatggcg tgccagccaa attcgtctgc g 31

<210> 45
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atccatggcg tgccagccaa attcgtctgc g 31

<210> 47
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Primer

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atctcgagtt tctcctcagt actttccaaa gc 32

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atccatggcg tgccagccaa attcgtctgc g 31

<210> 49
<211> 33
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atctcgagcg tgccatcctt aattaattct tcc 33

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ctggatcccg gcggaggaag gagccgtggc c 31

<210> 51
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cactcgagca tatatttagc agtactggc 29

<210> 52
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<400> 53
cactcgagag ttgatacctc attaacataa ggag 34

<210> 54
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cactcgagag aagaggtcac cagcatccg 29

<210> 56
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ctggatcccg gcggaggaag gagccgtggc c 31

<210> 57
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cactcgagga cagattcatc aatttctcg 29

<210> 58
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<400> 58
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<210> 60
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<400> 60
ctggatccgg aggaaatcat gtcttgtgaa g 31

<210> 61
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<210> 62
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ctggatccca aactgggaat ttgcccgaat g

31

<210> 63

<211> 30

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<213> Artificial Sequence

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30

<210> 64

<211> 31

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<223> Description of Artificial Sequence: M3 5' Primer

<400> 64

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31

<210> 65

<211> 30

<212> DNA

<213> Artificial Sequence

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cactcgagtg gaatcagcgc cccgtttagag

30

<210> 66

<211> 31

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<223> Description of Artificial Sequence: M4 5' Primer

<400> 66

ctggatccgg aggaaatcat gtcttgtgaa g

31

<210> 67

<211> 29

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29

<210> 68
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 <210> 70
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 <400> 70
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 <210> 71
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 <400> 71
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 <210> 72
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 <400> 72
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<210> 73
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 <400> 73
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 <210> 74
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 <210> 76
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 cactcgagca ttgtgggaca atggttctc 29

<210> 78
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 tcggatcctt ggtgcaagag cttcag 26

<210> 79
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 cactcgagct tcctggtggc ctgagc 26

<210> 80
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<210> 81
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Primer

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<223> Description of Artificial Sequence: Q151.3 3'
Primer

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<210> 86
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<210> 87
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